

File 352:DERWENT WPI 1963-2000/UD=, UM=, & UP=200024

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Abstract (Basic): EP 327963 A

The density of a spray-dried washing agent is raised, without use of liq. granulating agents, by feeding the spray-dried powder, with bulk wt. of at least 350 g/l, continuously into a mixing drum with smooth inner walls, which is either horizontal or at a slight inclination; an axle with radially arranged beaters, the length of which (calc. from the centre of the axle) is 80-98% of the inner radius of the drum, rotates axially in the drum. The rate of rotation of the axle is such that at a residence time of 10-60 secs. and constant powder feed, the Froude number is 50-1200.

The powder may contain 0.5-3 wt. of fine, dry zeolite.

ADVANTAGE - The process is continuous, throughput is high, residence times are short, costs and energy expenditure are low, and the process is flexible.

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